

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2060_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 2060 has the O&M Manual on file.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD2060_01_f_2014_7				
Comment Code					
Inspector Comment					
RD 2060 has emergency supplies on hand.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2060_01_s_2012_12				
Comment Code					
Inspector Comment					
RD 2060 has trained staff for a flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.01	Rating **	U	Issue No.	17
LM End	5.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247263 °	38.263303 °
				-121.696472 °	-121.771737 °
DWR ID	DWR_RD2060_01_s_2019_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation					

Photo 1 of 1 : SP_2019_RD2060_241_17_20190409_00073.jpg



View looking upstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.01	Rating **	U	Issue No.	35
LM End	5.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247262 °	38.263303 °
				-121.696472 °	-121.771737 °
DWR ID	DWR_RD2060_01_s_2019_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation					

Photo 1 of 1 : SP_2019_RD2060_241_35_20190409_00074.jpg



View looking upstream at annual vegetation on the waterside slope (Spring 2019).

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.40	Rating **	M	Issue No.	5
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.247894 °	38.247911 °
				-121.703492 °	-121.703539 °
DWR ID	DWR_RD2060_01_f _ 2017_5				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.					
Site ID No:358					
Site Designation:LMA-185					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Small erosion into bank.					

Photo 1 of 6 : SP_2019_RD2060_241_5_20190311_00001.jpg



Photo 2 of 6 : SP_2019_RD2060_241_5_20190311_00002.jpg



LM Start	0.40	Rating **	M	Issue No.	5 (cont)
LM End	0.40	Issue Type +	Ma	Location *	WS

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.40	Rating **	M	Issue No.	5 (cont)	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.247894 °		38.247911 °
				-121.703492 °		-121.703539 °
DWR ID	DWR_RD2060_01_f _ 2017_5					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.						
Site ID No:358						
Site Designation:LMA-185						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Small erosion into bank.						

Photo 3 of 6 : SP_2019_RD2060_241_5_20190311_00003.jpg

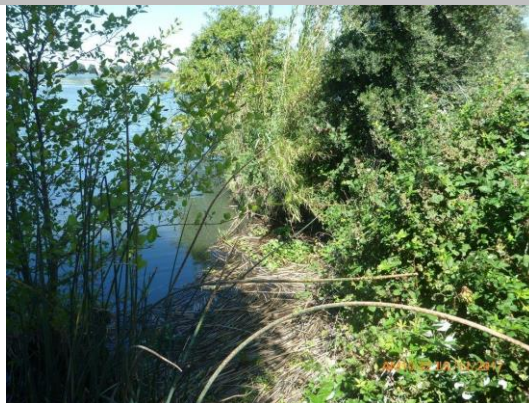


Photo 4 of 6 : SP_2019_RD2060_241_5_20190311_00004.jpg



LM Start	0.40	Rating **	M	Issue No.	5 (cont)
LM End	0.40	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

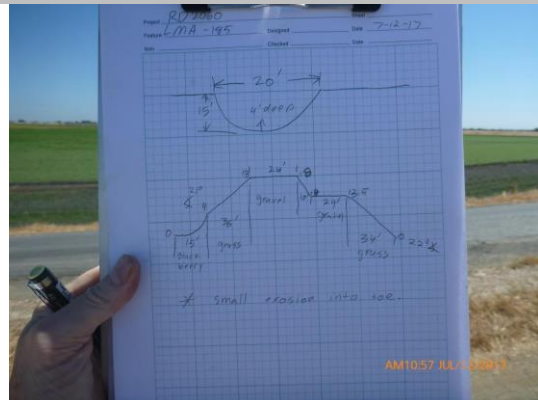
LM Start	0.40	Rating **	M	Issue No.	5 (cont)	
LM End	0.40	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.247894 °	38.247911 °	
				-121.703492 °	-121.703539 °	
DWR ID	DWR_RD2060_01_f_2017_5					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 3/4 of the way down the slope, near the water line towards the waterside toe.						
Site ID No:358						
Site Designation:LMA-185						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/12/2017						
Notes: Small erosion into bank.						

LM Start	0.40	Rating **	M	Issue No.	5 (cont)
LM End	0.40	Issue Type +	Ma	Location *	WS

Photo 5 of 6 : SP_2019_RD2060_241_5_20190311_00005.jpg



Photo 6 of 6 : SP_2019_RD2060_241_5_20190311_00006.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.41	Rating **	M	Issue No.	8
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.248036°	38.248017°
				-121.703539°	-121.703789°
DWR ID	DWR_RD2060_01_f_2017_8				
Comment Code					

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Existing rip rap appears to have been pulled off in this section.

Site ID No: 359

Site Designation: LMA-186

Repair Type: Erosion

Rating: Area of Concern

Field Date: 7/12/2017

Notes: Site had riprap but is eroded away. Minor erosion in toe of levee.

LM Start	0.41	Rating **	M	Issue No.	8 (cont)
LM End	0.42	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2019_RD2060_241_8_20190311_00007.jpg



Photo 2 of 3 : SP_2019_RD2060_241_8_20190311_00008.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.41	Rating **	M	Issue No.	8 (cont)	
LM End	0.42	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.248036 °	38.248017 °	
				-121.703539 °	-121.703789 °	
DWR ID	DWR_RD2060_01_f _ 2017_8					
Comment Code						
Inspector Comment						
<p>Levee Evaluation Comments</p> <p>Description:Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Existing rip rap appears to have been pulled off in this section.</p> <p>Site ID No:359</p> <p>Site Designation:LMA-186</p> <p>Repair Type: Erosion</p> <p>Rating:Area of Concern</p> <p>Field Date:7/12/2017</p> <p>Notes: Site had riprap but is eroded away. Minor erosion in toe of levee.</p>						

Photo 3 of 3 : SP_2019_RD2060_241_8_20190311_00009.jpg



LM Start	0.75	Rating **	M	Issue No.	9
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.249314 °	38.249400 °
				-121.709461 °	-121.709608 °
DWR ID	DWR_RD2060_01_f_ 2017_9				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Erosion is concentrated near the waterline. Existing rip rap appears to have been pulled off in this section.					
Site ID No: 360					
Site Designation: LMA-187					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date: 7/12/2017					
Notes: Erosion looks old but has progressed this year.					

Photo 1 of 3 : SP_2019_RD2060_241_9_20190311_00010.jpg



* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.75	Rating **	M	Issue No.	9 (cont)
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.249314 °	38.249400 °	
			-121.709461 °	-121.709608 °	
DWR ID	DWR_RD2060_01_f_2017_9				
Comment Code					
Inspector Comment					
<p>Levee Evaluation Comments</p> <p>Description: Erosion commences approximately halfway down the water side slope extending in to existing rip rap. Erosion is concentrated near the waterline. Existing rip rap appears to have been pulled off in this section.</p> <p>Site ID No: 360</p> <p>Site Designation: LMA-187</p> <p>Repair Type: Erosion</p> <p>Rating: Area of Concern</p> <p>Field Date: 7/12/2017</p> <p>Notes: Erosion looks old but has progressed this year.</p>					

Photo 2 of 3 : SP_2019_RD2060_241_9_20190311_00011.jpg



Photo 3 of 3 : SP_2019_RD2060_241_9_20190311_00012.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.92	Rating **	M	Issue No.	10
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250875 °	38.250953 °
				-121.711942 °	-121.712078 °
DWR ID	DWR_RD2060_01_f_2018_10				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the water side slope.					
Site ID No:361					
Site Designation:LMA-188					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor sloughing, mostly riprap has moved down the slope and into channel.					

Photo 1 of 4 : SP_2019_RD2060_241_10_20190311_00013.jpg



Photo 2 of 4 : SP_2019_RD2060_241_10_20190311_00014.jpg



LM Start	0.92	Rating **	M	Issue No.	10 (cont)
LM End	0.93	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	0.92	Rating **	M	Issue No.	10 (cont)
LM End	0.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250875 °	38.250953 °
				-121.711942 °	-121.712078 °
DWR ID	DWR_RD2060_01_f_2018_10				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the water side slope.					
Site ID No:361					
Site Designation:LMA-188					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor sloughing, mostly riprap has moved down the slope and into channel.					

Photo 3 of 4 : SP_2019_RD2060_241_10_20190311_00015.jpg



Photo 4 of 4 : SP_2019_RD2060_241_10_20190311_00016.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.04	Rating **	M	Issue No.	15
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251058 °	38.250872 °
				-121.714050 °	-121.714792 °
DWR ID	DWR_RD2060_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description:Erosion commences approximately 3/4 of the way down the water side slope concentrated at the waterline. Site ID No:362 Site Designation:LMA-189 Repair Type: Erosion Rating:Area of Concern Field Date:7/12/2017 Notes: Erosion due to lack of revetment. Erosion ends at riprap downstream. Vertical cut at summer wse.					

Photo 1 of 3 : SP_2019_RD2060_241_15_20190311_00017.jpg



Photo 2 of 3 : SP_2019_RD2060_241_15_20190311_00018.jpg



LM Start	1.04	Rating **	M	Issue No.	15 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.04	Rating **	M	Issue No.	15 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251058 °	38.250872 °
				-121.714050 °	-121.714792 °
DWR ID	DWR_RD2060_01_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the water side slope concentrated at the waterline.					
Site ID No:362					
Site Designation:LMA-189					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Erosion due to lack of revetment. Erosion ends at riprap downstream. Vertical cut at summer wse.					

Photo 3 of 3 : SP_2019_RD2060_241_15_20190311_00019.jpg



LM Start	1.09	Rating **	M	Issue No.	16
LM End	1.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.250844 °	38.250833 °
				-121.714944 °	-121.714994 °
DWR ID	DWR_RD2060_01_f_2017_16				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe.					
Site ID No:363					
Site Designation:LMA-190					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Small erosion up to high water line. Cuts into slope with 6' vertical cut.					

Photo 1 of 3 : SP_2019_RD2060_241_16_20190311_00020.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.39	Rating **	A/W	Issue No.	20
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251886 °	38.252619 °
				-121.719933 °	-121.722842 °
DWR ID	DWR_RD2060_01_f_2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe.					
Site ID No:365					
Site Designation:LMA-192					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Several deep narrow cuts into levee, but mostly minor erosion at highwater line.					

Photo 1 of 3 : SP_2019_RD2060_241_20_20190311_00023.jpg



Photo 2 of 3 : SP_2019_RD2060_241_20_20190311_00024.jpg



LM Start	1.39	Rating **	A/W	Issue No.	20 (cont)
LM End	1.56	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.39	Rating **	A/W	Issue No.	20 (cont)
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.251886 °	38.252619 °
				-121.719933 °	-121.722842 °
DWR ID	DWR_RD2060_01_f_2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe.					
Site ID No:365					
Site Designation:LMA-192					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Several deep narrow cuts into levee, but mostly minor erosion at highwater line.					

Photo 3 of 3 : SP_2019_RD2060_241_20_20190311_00025.jpg



LM Start	1.43	Rating **	M	Issue No.	6
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.251910 °	38.252605 °
				-121.720620 °	-121.722924 °
DWR ID	DWR_RD2060_01_f_2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 1.7 L					
Status: Eroding New					
2017 Field Notes: Soil is boulders and sand. Multiple slumping sections.					
Site History:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.45	Rating **	A/W	Issue No.	11
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252013 °	38.252013 °
				-121.720945 °	-121.720945 °
DWR ID	DWR_RD2060_01_s_2017_11				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

LM Start	1.46	Rating **	A/W	Issue No.	13
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252038 °	38.252070 °
				-121.721212 °	-121.721440 °
DWR ID	DWR_RD2060_01_s_2017_13				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

LM Start	1.49	Rating **	A/W	Issue No.	14
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.252130 °	38.252130 °
				-121.721637 °	-121.721637 °
DWR ID	DWR_RD2060_01_s_2017_14				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Waterside slope slump from 2017 has not moved since discovered. Initial cause was clay materials, cattle and wet weather. Continue to monitor.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.81	Rating **	A/W	Issue No.	21
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.255972 °	38.256247 °
				-121.724197 °	-121.724464 °
DWR ID	DWR_RD2060_01_f_2017_21				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred due to deep erosion.					
Site ID No:366					
Site Designation:LMA-193					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Erosion extends halfway into the slope.					

Photo 1 of 3 : SP_2019_RD2060_241_21_20190311_00026.jpg



Photo 2 of 3 : SP_2019_RD2060_241_21_20190311_00027.jpg



LM Start	1.81	Rating **	A/W	Issue No.	21 (cont)
LM End	1.84	Issue Type +	Ma	Location *	WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.81	Rating **	A/W	Issue No.	21 (cont)
LM End	1.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
Item				Start	End
	2017 Storm Damage			38.255972 °	38.256247 °
				-121.724197 °	-121.724464 °
DWR ID	DWR_RD2060_01_f_2017_21				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred due to deep erosion.					
Site ID No:366					
Site Designation:LMA-193					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/12/2017					
Notes: Erosion extends halfway into the slope.					

Photo 3 of 3 : SP_2019_RD2060_241_21_20190311_00028.jpg



LM Start	1.90	Rating **	M	Issue No.	22
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257208 °	38.257842 °
				-121.724619 °	-121.724694 °
DWR ID	DWR_RD2060_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred.					
Site ID No:367					
Site Designation:LMA-194					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor crackingobserved below the hinge point and minor erosion at levee toe.					

Photo 1 of 3 : SP_2019_RD2060_241_22_20190311_00029.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	1.90	Rating **	M	Issue No.	22 (cont)
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257208 °	38.257842 °
				-121.724619 °	-121.724694 °
DWR ID	DWR_RD2060_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope extending to the toe. Some slipping into the toe has occurred.					
Site ID No:367					
Site Designation:LMA-194					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/12/2017					
Notes: Minor crackingobserved below the hinge point and minor erosion at levee toe.					

Photo 2 of 3 : SP_2019_RD2060_241_22_20190311_00030.jpg



Photo 3 of 3 : SP_2019_RD2060_241_22_20190311_00031.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	2.57	Rating **	M	Issue No.	24 (cont)
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.257467 °	38.257286 °
				-121.734153 °	-121.734683 °
DWR ID	DWR_RD2060_01_f_2017_24				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the water side slope. Part of the levee has sloughed down toward the waterline where further erosion occurs.					
Site ID No:369					
Site Designation:LMA-196					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Levee slope is concave due slumping. Erosion at waterline.					

Photo 2 of 3 : SP_2019_RD2060_241_24_20190311_00036.jpg



Photo 3 of 3 : SP_2019_RD2060_241_24_20190311_00037.jpg



LM Start	2.57	Rating **	M	Issue No.	24 (cont)
LM End	2.60	Issue Type +	Ma	Location *	WS

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	3.07	Rating **	A/W	Issue No.	25
LM End	3.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260772 °	38.260569 °
				-121.740817 °	-121.741194 °
DWR ID	DWR_RD2060_01_f_2017_25				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion occurs near the waterline. Part of the levee has sloughed down toward the waterline due to erosion.					
Site ID No:370					
Site Designation:LMA-197					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/13/2017					
Notes: Large erosion halfway into levee. Horizontal cracking on slope almost 24" deep.					

Photo 1 of 3 : SP_2019_RD2060_241_25_20190311_00038.jpg



Photo 2 of 3 : SP_2019_RD2060_241_25_20190311_00039.jpg



LM Start	3.07	Rating **	A/W	Issue No.	25 (cont)
LM End	3.10	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	3.07	Rating **	A/W	Issue No.	25 (cont)
LM End	3.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260772 °	38.260569 °
				-121.740817 °	-121.741194 °
DWR ID	DWR_RD2060_01_f_2017_25				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion occurs near the waterline. Part of the levee has sloughed down toward the waterline due to erosion. Site ID No: 370 Site Designation: LMA-197 Repair Type: Erosion Rating: Serious Field Date: 7/13/2017 Notes: Large erosion halfway into levee. Horizontal cracking on slope almost 24" deep.					

Photo 3 of 3 : SP_2019_RD2060_241_25_20190311_00040.jpg



LM Start	3.17	Rating **	M	Issue No.	26
LM End	3.17	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.259925 °	38.259903 °
				-121.742236 °	-121.742281 °
DWR ID	DWR_RD2060_01_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Erosion occurs near the waterline. Site ID No: 371 Site Designation: LMA-198 Repair Type: Erosion Rating: Area of Concern Field Date: 7/13/2017 Notes: Minor erosion with sloughing. Horizontal cracks 3.5' deep.					

Photo 1 of 3 : SP_2019_RD2060_241_26_20190311_00041.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	3.17	Rating **	M	Issue No.	26 (cont)	
LM End	3.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.259925 °	38.259903 °	
				-121.742236 °	-121.742281 °	
DWR ID	DWR_RD2060_01_f_2017_26					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion occurs near the waterline.						
Site ID No:371						
Site Designation:LMA-198						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: Minor erosion with sloughing. Horizontal cracks 3.5' deep.						

Photo 2 of 3 : SP_2019_RD2060_241_26_20190311_00042.jpg



Photo 3 of 3 : SP_2019_RD2060_241_26_20190311_00043.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	3.60	Rating **	M	Issue No.	27
LM End	3.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261469 °	38.261464 °
				-121.748389 °	-121.748442 °
DWR ID	DWR_RD2060_01_f_2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:373					
Site Designation:LMA-200					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Small erosion with a narrow deep cut. Heavy veg is protecting the slope.					

Photo 1 of 3 : SP_2019_RD2060_241_27_20190311_00044.jpg



Photo 2 of 3 : SP_2019_RD2060_241_27_20190311_00045.jpg



LM Start	3.60	Rating **	M	Issue No.	27 (cont)
LM End	3.61	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	3.60	Rating **	M	Issue No.	27 (cont)
LM End	3.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261469 °	38.261464 °
				-121.748389 °	-121.748442 °
DWR ID	DWR_RD2060_01_f_2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:373					
Site Designation:LMA-200					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Small erosion with a narrow deep cut. Heavy veg is protecting the slope.					

Photo 3 of 3 : SP_2019_RD2060_241_27_20190311_00046.jpg



LM Start	3.67	Rating **	M	Issue No.	28
LM End	3.67	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.261181 °	38.261167 °
				-121.749542 °	-121.749592 °
DWR ID	DWR_RD2060_01_f_2017_28				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is concentrated near the water line.					
Site ID No:374					
Site Designation:LMA-201					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Small narrow and deep cut. May have been caused by a collapsed beaver den.					

Photo 1 of 3 : SP_2019_RD2060_241_28_20190311_00047.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	3.67	Rating **	M	Issue No.	28 (cont)
LM End	3.67	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.261181 °	38.261167 °	
			-121.749542 °	-121.749592 °	
DWR ID	DWR_RD2060_01_f_2017_28				

Comment Code

Inspector Comment

Levee Evaluation Comments
 Description: Erosion is concentrated near the water line.
 Site ID No: 374
 Site Designation: LMA-201
 Repair Type: Erosion
 Rating: Area of Concern
 Field Date: 7/13/2017
 Notes: Small narrow and deep cut. May have been caused by a collapsed beaver den.

Photo 2 of 3 : SP_2019_RD2060_241_28_20190311_00048.jpg



Photo 3 of 3 : SP_2019_RD2060_241_28_20190311_00049.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	4.28	Rating **	A/W	Issue No.	29
LM End	4.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260992 °	38.261017 °
				-121.759806 °	-121.759847 °
DWR ID	DWR_RD2060_01_f_2017_29				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:376					
Site Designation:LMA-203					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Could not get to erosion due to dense veg. Possibly a deep narrow cut.					

Photo 1 of 3 : SP_2019_RD2060_241_29_20190311_00050.jpg



Photo 2 of 3 : SP_2019_RD2060_241_29_20190311_00051.jpg



LM Start	4.28	Rating **	A/W	Issue No.	29 (cont)
LM End	4.28	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	4.28	Rating **	A/W	Issue No.	29 (cont)
LM End	4.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260992 °	38.261017 °
				-121.759806 °	-121.759847 °
DWR ID	DWR_RD2060_01_f_2017_29				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and extends to the toe. Erosion is concentrated at the water line.					
Site ID No:376					
Site Designation:LMA-203					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: Could not get to erosion due to dense veg. Possibly a deep narrow cut.					

Photo 3 of 3 : SP_2019_RD2060_241_29_20190311_00052.jpg



LM Start	4.40	Rating **	M	Issue No.	30
LM End	4.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260850 °	38.260425 °
				-121.761875 °	-121.762861 °
DWR ID	DWR_RD2060_01_f_2017_30				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope.					
Site ID No:377					
Site Designation:LMA-204					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/13/2017					
Notes: large cut is 100' of 320' site. Large cut is 12' vertical and the rest is 6'.					

Photo 1 of 3 : SP_2019_RD2060_241_30_20190311_00053.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	4.40	Rating **	M	Issue No.	30 (cont)	
LM End	4.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260850 °	38.260425 °	
				-121.761875 °	-121.762861 °	
DWR ID	DWR_RD2060_01_f_2017_30					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope.						
Site ID No:377						
Site Designation:LMA-204						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/13/2017						
Notes: large cut is 100' of 320' site. Large cut is 12' vertical and the rest is 6'.						

Photo 2 of 3 : SP_2019_RD2060_241_30_20190311_00054.jpg



LM Start	4.40	Rating **	M	Issue No.	30 (cont)
LM End	4.46	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP_2019_RD2060_241_30_20190311_00055.jpg

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	4.50	Rating **	A/W	Issue No.	31
LM End	4.53	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260150 °	38.259939 °
				-121.763556 °	-121.764064 °
DWR ID	DWR_RD2060_01_f_2017_31				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope. It has resulted in some sloughing.					
Site ID No:378					
Site Designation:LMA-205					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Deep, wide, vertical cut into slope almost 1/2 way into sope.					

Photo 1 of 3 : SP_2019_RD2060_241_31_20190311_00056.jpg



LM Start	4.50	Rating **	A/W	Issue No.	31 (cont)
LM End	4.53	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_241_31_20190311_00057.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

A photograph showing a gravel road on the right side, curving towards a body of water in the distance. The foreground and middle ground are filled with green and yellowish grasses. The sky is clear and blue. A date stamp '2008-11-28 17:00:11' is visible in the bottom right corner.Page 33 of 39

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	4.80	Rating **	A/W	Issue No.	32 (cont)	
LM End	4.88	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260714 °	38.261808 °	
				-121.767972 °	-121.768536 °	
DWR ID	DWR_RD2060_01_f _ 2017_32					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope towards the toe.						
Site ID No:379						
Site Designation:LMA-206						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/17/2017						
Notes: Several erosions with slumping. Fresh soil indicates active erosion this season. Adjacent slope has riprap. Riprap should be extended along this stretch.						

Photo 2 of 3 : SP_2019_RD2060_241_32_20190311_00060.jpg



LM Start	4.80	Rating **	A/W	Issue No.	32 (cont)
LM End	4.88	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP_2019_RD2060_241_32_20190311_00061.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

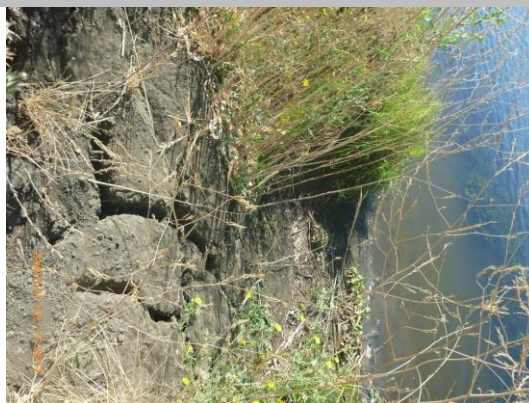
LM Start	4.92	Rating **	M	Issue No.	33
LM End	4.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262128 °	38.262128 °
				-121.769175 °	-121.769175 °
DWR ID	DWR_RD2060_01_f_2017_33				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:380					
Site Designation:LMA-207					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Reduced length of site from 275 to 62. No widespread erosion, just 2 small erosions upstream from adjacent riprap.					

Photo 1 of 3 : SP_2019_RD2060_241_33_20190311_00062.jpg



LM Start	4.92	Rating **	M	Issue No.	33 (cont)
LM End	4.92	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_241_33_20190311_00063.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	4.92	Rating **	M	Issue No.	33 (cont)
LM End	4.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262128 °	38.262128 °
				-121.769175 °	-121.769175 °
DWR ID	DWR_RD2060_01_f_2017_33				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion/sloughing commences approximately halfway down the slope. Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:380					
Site Designation:LMA-207					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Reduced length of site from 275 to 62. No widespread erosion, just 2 small erosions upstream from adjacent riprap.					

Photo 3 of 3 : SP_2019_RD2060_241_33_20190311_00064.jpg



LM Start	5.00	Rating **	M	Issue No.	34
LM End	5.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262636 °	38.262658 °
				-121.770503 °	-121.770547 °
DWR ID	DWR_RD2060_01_f_2017_34				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:381					
Site Designation:LMA-208					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Extended site from 15' to 75' to include LMA-209. Small erosions will become 1 site next high water due to sloughing between them.					

Photo 1 of 3 : SP_2019_RD2060_241_34_20190311_00065.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	5.00	Rating **	M	Issue No.	34 (cont)
LM End	5.01	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262636 °	38.262658 °
				-121.770503 °	-121.770547 °
DWR ID	DWR_RD2060_01_f_2017_34				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion is concentrated mostly near the water line and has resulting in slippage of the slope into the toe.					
Site ID No:381					
Site Designation:LMA-208					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: Extended site from 15' to 75' to include LMA-209. Small erosions will become 1 site next high water due to sloughing between them.					

Photo 2 of 3 : SP_2019_RD2060_241_34_20190311_00066.jpg



Photo 3 of 3 : SP_2019_RD2060_241_34_20190311_00067.jpg



LM Start	5.00	Rating **	M	Issue No.	34 (cont)
LM End	5.01	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	5.21	Rating **	C	Issue No.	18
LM End	6.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261717 °	38.274012 °
				-121.772152 °	-121.795407 °
DWR ID	DWR_RD2060_01_s_2017_18				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					

No Photos

LM Start	5.67	Rating **	C	Issue No.	19
LM End	5.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.263257 °	38.263257 °
				-121.779758 °	-121.779758 °
DWR ID	DWR_RD2060_01_s_2017_19				
Comment Code					
Inspector Comment					
Repair or replace the cross gate.					

No Photos

LM Start	6.63	Rating **	C	Issue No.	37
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270878 °	38.271845 °
				-121.793168 °	-121.793498 °
DWR ID	DWR_RD2060_01_f_2018_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.97	04/09/2019 04/09/2019	David Julian

LM Start	6.72	Rating **	C	Issue No.	38
LM End	6.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.271993 °	38.272957 °
				-121.793697 °	-121.794982 °
DWR ID	DWR_RD2060_01_f_2018_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.88	Rating **	C	Issue No.	39
LM End	6.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.273787 °	38.273787 °
				-121.795492 °	-121.795492 °
DWR ID	DWR_RD2060_01_f_2018_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulati Creek	Right	3.64	04/09/2019 04/09/2019	David Julian

LM Start	0.74	Rating **	M	Issue No.	7
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285189 °	38.290464 °
				-121.795415 °	-121.774855 °
DWR ID	DWR_RD2060_02_f_2018_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain vegetation on water side slope					

Photo 1 of 1 : SP_2019_RD2060_242_7_20190311_00003.jpg



View of vegetation on water side slope (October 2018)

LM Start	0.74	Rating **	M	Issue No.	6
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285188 °	38.285143 °
				-121.795334 °	-121.777128 °
DWR ID	DWR_RD2060_02_f_2018_6				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain vegetation on land side slope					

Photo 1 of 1 : SP_2019_RD2060_242_6_20190311_00002.jpg



View of vegetation on land side slope (October 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.07	Rating **	M	Issue No.	16
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.296350 °	38.296302 °
				-121.747642 °	-121.747565 °
DWR ID	DWR_RD2060_03_s_2017_16				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Sloughing is occurring on the LS slope.					

Photo 1 of 2 : SP_2019_RD2060_243_16_20190311_00010.jpg



Looking down from the shoulder at the sloughing in the slope towards the irrigation ditch at toe.

LM Start	0.07	Rating **	M	Issue No.	16 (cont)
LM End	0.07	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD2060_243_16_20190311_00011.jpg



Standing on the slope looking upstream at the slough.

LM Start	0.10	Rating **	A/W	Issue No.	71
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.296084 °	38.296084 °
				-121.747052 °	-121.747052 °
DWR ID	DWR_RD2060_03_s_2018_71				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Minor slump at toe likely due to cattle should be repaired.					

Photo 1 of 1 : SP_2019_RD2060_243_71_20190311_00079.jpg



Lower landside slope has slumped into ditch. Should be repaired.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.12	Rating **	M	Issue No.	13
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.295919 °	38.295611 °
				-121.746700 °	-121.745742 °
DWR ID	DWR_RD2060_03_f_2017_13				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing and seepage occurs near the land side toe.					
Site ID No:385					
Site Designation:LMA-212					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate sloughing halfway down LS slope. Monitor for progression.					

Photo 1 of 3 : SP_2019_RD2060_243_13_20190311_00004.jpg



LM Start	0.12	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_243_13_20190311_00005.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.12	Rating **	M	Issue No.	13 (cont)
LM End	0.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.295919 °	38.295611 °
				-121.746700 °	-121.745742 °
DWR ID	DWR_RD2060_03_f_2017_13				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing and seepage occurs near the land side toe.					
Site ID No:385					
Site Designation:LMA-212					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Moderate sloughing halfway down LS slope. Monitor for progression.					

Photo 3 of 3 : SP_2019_RD2060_243_13_20190311_00006.jpg



LM Start	0.15	Rating **	A/W	Issue No.	19
LM End	0.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.295738 °	38.295559 °
				-121.746293 °	-121.745583 °
DWR ID	DWR_RD2060_03_s_2017_19				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There are several signs of sloughing occuring on the slope.					

Photo 1 of 2 : SP_2019_RD2060_243_19_20190311_00014.jpg



Standing at levee mile 0.15 looking downstream from the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.15	Rating **	A/W	Issue No.	19 (cont)	
LM End	0.19	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			38.295738 °	38.295559 °	
				-121.746293 °	-121.745583 °	
DWR ID	DWR_RD2060_03_s_2017_19					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
There are several signs of sloughing occuring on the slope.						

Photo 2 of 2 : SP_2019_RD2060_243_19_20190311_00015.jpg



Just upstream of the erosion site looking downstream from the landside slope.

LM Start	0.64	Rating **	M	Issue No.	14
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.292197 °	38.292208 °
				-121.739661 °	-121.739611 °
DWR ID	DWR_RD2060_03_f_2017_14				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences near the edge of the crown and extends down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:386					
Site Designation:LMA-213					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes:					

Photo 1 of 3 : SP_2019_RD2060_243_14_20190311_00007.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.64	Rating **	M	Issue No.	14 (cont)
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.292197 °	38.292208 °
				-121.739661 °	-121.739611 °
DWR ID	DWR_RD2060_03_f_2017_14				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences near the edge of the crown and extends down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:386					
Site Designation:LMA-213					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes:					

Photo 2 of 3 : SP_2019_RD2060_243_14_20190311_00008.jpg



Photo 3 of 3 : SP_2019_RD2060_243_14_20190311_00009.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.67	Rating **	U	Issue No.	10
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292258 °	38.247370 °
				-121.739070 °	-121.696209 °
DWR ID	DWR_RD2060_03_s_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation					

Photo 1 of 1 : SP_2019_RD2060_243_10_20190409_00088.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.67	Rating **	U	Issue No.	11
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292258 °	38.247370 °
				-121.739070 °	-121.696209 °
DWR ID	DWR_RD2060_03_s_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation					

Photo 1 of 1 : SP_2019_RD2060_243_11_20190409_00089.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2019).

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	0.81	Rating **	M	Issue No.	15
LM End	0.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.291633 °	38.291606 °
				-121.736750 °	-121.736714 °
DWR ID	DWR_RD2060_03_f_2017_15				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 3/4 of the way down the slope. Erosion has resulted in slippage into the waterside toe.					
Site ID No:388					
Site Designation:LMA-215					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Narrow erosion on WS slope. Monitor for progression.					

No Photos

LM Start	1.12	Rating **	C	Issue No.	18
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.290558 °	38.290558 °
				-121.731580 °	-121.731580 °
DWR ID	DWR_RD2060_03_s_2017_18				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.21	Rating **	M	Issue No.	20
LM End	1.23	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290511 °	38.290486 °
				-121.729867 °	-121.729603 °
DWR ID	DWR_RD2060_03_f _ 2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences 1/4 of the way down the slope with					
slippage towards the water side toe.					
Site ID No:390					
Site Designation:LMA-217					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Erosion halfway down WS slope. Monitor for progression.					

Photo 1 of 3 : SP_2019_RD2060_243_20_20190311_00016.jpg



Photo 2 of 3 : SP_2019_RD2060_243_20_20190311_00017.jpg



LM Start	1.21	Rating **	M	Issue No.	20 (cont)
LM End	1.23	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.38	Rating **	M	Issue No.	21 (cont)	
LM End	1.42	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.290067 °	38.289608 °	
				-121.726839 °	-121.726344 °	
DWR ID	DWR_RD2060_03_f_2017_21					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:MBK Delta Erosion Sites_6-29-2017						
Site ID No:482						
Site Designation:LMA-320						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:8/29/2017						
Notes:						

LM Start	1.38	Rating **	M	Issue No.	21 (cont)
LM End	1.42	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_243_21_20190311_00020.jpg



Photo 3 of 3 : SP_2019_RD2060_243_21_20190311_00021.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.45	Rating **	M	Issue No.	22
LM End	1.59	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.289256°	38.287689°	
			-121.726050°	-121.724658°	
DWR ID	DWR_RD2060_03_f_2017_22				

Comment Code

Inspector Comment

Levee Evaluation Comments
Description: Erosion commences halfway down the slope and results in slippage into the waterside toe.
Site ID No: 392
Site Designation: LMA-219
Repair Type: Erosion
Rating: Area of Concern
Field Date: 7/20/2017
Notes: Moderate erosion present on WS slope. Monitor for progression.

LM Start	1.45	Rating **	M	Issue No.	22 (cont)
LM End	1.59	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP_2019_RD2060_243_22_20190311_00022.jpg



Photo 2 of 3 : SP_2019_RD2060_243_22_20190311_00023.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.45	Rating **	M	Issue No.	22 (cont)	
LM End	1.59	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.289256 °	38.287689 °	
				-121.726050 °	-121.724658 °	
DWR ID	DWR_RD2060_03_f _ 2017_22					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences halfway down the slope and results in						
slippage into the waterside toe.						
Site ID No:392						
Site Designation:LMA-219						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes: Moderate erosion present on WS slope. Monitor for progression.						

Photo 3 of 3 : SP_2019_RD2060_243_22_20190311_00024.jpg



LM Start	1.52	Rating **	A/W	Issue No.	7
LM End	1.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.288598 °	38.286051 °
				-121.725184 °	-121.722818 °
DWR ID	DWR_RD2060_03_f_2018_7				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 23.6 R					
Status: Eroding					
2017 Field Notes: No observed changes.					
Site History: Site added in 1997 and removed in 2003. 2005 - Put back in the inventory. 2006 - Stone repair at the middle of the site. 2011 - Some rock place at toe in the past year. 2013 - Site extended both upstream and downstream to include new erosion pockets.					

Photo 1 of 1 : SP_2019_RD2060_243_7_20190311_00003.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.62	Rating **	A/W	Issue No.	23
LM End	1.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.287336 °	38.287222 °
				-121.724364 °	-121.724253 °
DWR ID	DWR_RD2060_03_f_2017_23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in					
slippage into the waterside toe. Existing rip rap has sloughed into the					
water side toe.					
Site ID No:393					
Site Designation:LMA-220					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/20/2017					
Notes: Moderate sloughing 8ft from WS crown. Erosion at high water					
mark.					

Photo 1 of 3 : SP_2019_RD2060_243_23_20190311_00025.jpg



LM Start	1.62	Rating **	A/W	Issue No.	23 (cont)
LM End	1.63	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_243_23_20190311_00026.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.84	Rating **	M	Issue No.	25
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.284825 °	38.284467 °
				-121.721764 °	-121.720339 °
DWR ID	DWR_RD2060_03_f_2017_25				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in					
slippage into the waterside toe.					
Site ID No:395					
Site Designation:LMA-222					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/20/2017					
Notes: Erosion halfway down slope. Monitor for progression.					

Photo 1 of 3 : SP_2019_RD2060_243_25_20190311_00028.jpg



Photo 2 of 3 : SP_2019_RD2060_243_25_20190311_00029.jpg



LM Start	1.84	Rating **	M	Issue No.	25 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	1.84	Rating **	M	Issue No.	25 (cont)	
LM End	1.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.284825 °	38.284467 °	
				-121.721764 °	-121.720339 °	
DWR ID	DWR_RD2060_03_f _ 2017_25					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences halfway down the slope and results in						
slippage into the waterside toe.						
Site ID No:395						
Site Designation:LMA-222						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/20/2017						
Notes: Erosion halfway down slope. Monitor for progression.						

Photo 3 of 3 : SP_2019_RD2060_243_25_20190311_00030.jpg



LM Start	2.02	Rating **	A/W	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.284120 °	38.277633 °
				-121.718577 °	-121.711912 °
DWR ID	DWR_RD2060_03_f _ 2018_5				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 22.9 R					
Status: Eroding					
2017 Field Notes: Sites 22.5, 22.6, 22.8, and 22.9 were combined into one long erosion site due to due erosion.					
Site History: 2007 - Geotechnical failure of midside slope and wave wash/scalloping in toe area. Stone revetment upstream and downstream of site. Similar sites are present all along the right bank downstream of this site, most could be repaired with some maintenance. 2008 - Small scour pockets and mid-slope wave wash. 2010 - Minor new erosion. 2011 - Site extended downstream and new erosion. 2013 - Pockets of erosion behind willows and extending into the levee toe. 2015 - Erosion pockets have increased in size. 2016 - Rock has been placed in some of the pockets.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.02	Rating **	A/W	Issue No.	6
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.284105 °	38.283302 °
				-121.718471 °	-121.717814 °
DWR ID	DWR_RD2060_03_f_2018_6				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 23.0 R					
Status: Eroding					
2017 Field Notes: No observed changes.					
Site History: 2010 - Small maintenance site.					

Photo 1 of 1 : SP_2019_RD2060_243_6_20190311_00002.jpg



USACE 2013 Photo #1

LM Start	2.02	Rating **	M	Issue No.	26
LM End	2.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283914 °	38.283422 °
				-121.718614 °	-121.718206 °
DWR ID	DWR_RD2060_03_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:396					
Site Designation:LMA-223					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion to high water line.					

Photo 1 of 3 : SP_2019_RD2060_243_26_20190311_00031.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.02	Rating **	M	Issue No.	26 (cont)
LM End	2.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283914 °	38.283422 °
				-121.718614 °	-121.718206 °
DWR ID	DWR_RD2060_03_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences halfway down the slope and results in slippage into the waterside toe. Existing rip rap has sloughed into the water side toe.					
Site ID No:396					
Site Designation:LMA-223					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Erosion to high water line.					

Photo 2 of 3 : SP_2019_RD2060_243_26_20190311_00032.jpg



Photo 3 of 3 : SP_2019_RD2060_243_26_20190311_00033.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.12	Rating **	A/W	Issue No.	27
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.282733 °	38.282403 °
				-121.717683 °	-121.717428 °
DWR ID	DWR_RD2060_03 f _ 2017_27				

Comment Code

Inspector Comment

Levee Evaluation Comments

Description: Erosion commences approximately 1/4 of the way down the slope and results in slippage into the waterside toe.

Site ID No: 397

Site Designation: LMA-224

Repair Type: Erosion

Rating: Serious

Field Date: 7/18/2017

Notes: Benched erosion with large cracks on slope above. Light veg in erosion.

LM Start	2.12	Rating **	A/W	Issue No.	27 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP_2019_RD2060_243_27_20190311_00034.jpg



Photo 2 of 3 : SP_2019_RD2060_243_27_20190311_00035.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.30	Rating **	M	Issue No.	29
LM End	2.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280667 °	38.280467 °
				-121.715664 °	-121.715242 °
DWR ID	DWR_RD2060_03_f _ 2017_29				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:399					
Site Designation:LMA-226					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Vertical erosion at high water mark.					

Photo 1 of 3 : SP_2019_RD2060_243_29_20190311_00040.jpg



Photo 2 of 3 : SP_2019_RD2060_243_29_20190311_00041.jpg



LM Start	2.30	Rating **	M	Issue No.	29 (cont)
LM End	2.33	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.36	Rating **	M	Issue No.	31 (cont)
LM End	2.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.280208 °	38.279336 °
				-121.714853 °	-121.714172 °
DWR ID	DWR_RD2060_03_f_2017_31				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in slippage into the waterside toe.					
Site ID No:400					
Site Designation:LMA-227					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Steep cut but protected with heavy woody veg.					

Photo 2 of 3 : SP_2019_RD2060_243_31_20190311_00044.jpg



Photo 3 of 3 : SP_2019_RD2060_243_31_20190311_00045.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.55	Rating **	M	Issue No.	33 (cont)
LM End	2.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277956 °	38.277928 °
				-121.712814 °	-121.712775 °
DWR ID	DWR_RD2060_03_f _ 2017_33				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and extends to the waterside toe.					
Site ID No:402					
Site Designation:LMA-229					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: Small but deep vertical cut down to water.					

Photo 2 of 3 : SP_2019_RD2060_243_33_20190311_00050.jpg



Photo 3 of 3 : SP_2019_RD2060_243_33_20190311_00051.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.56	Rating **	A/W	Issue No.	34
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.277850 °	38.277706 °
				-121.712639 °	-121.712414 °
DWR ID	DWR_RD2060_03_f_2017_34				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.					
Site ID No:403					
Site Designation:LMA-230					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Erosion causing sloughing. Horizontal cracks about 6' up from erosion.					

Photo 1 of 3 : SP_2019_RD2060_243_34_20190311_00052.jpg



Photo 2 of 3 : SP_2019_RD2060_243_34_20190311_00053.jpg



LM Start	2.56	Rating **	A/W	Issue No.	34 (cont)
LM End	2.58	Issue Type +	Ma	Location *	

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.64	Rating **	M	Issue No.	35 (cont)	
LM End	2.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.277106°	38.277078°	
				-121.711489°	-121.711447°	
DWR ID	DWR_RD2060_03_f _ 2017_35					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately 1/4 of the way down the slope and results in sloughing into the waterside toe.						
Site ID No:404						
Site Designation:LMA-231						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Small erosion and sloughing adjacent to revetted slope.						

Photo 2 of 3 : SP_2019_RD2060_243_35_20190311_00056.jpg



Photo 3 of 3 : SP_2019_RD2060_243_35_20190311_00057.jpg



LM Start	2.64	Rating **	M	Issue No.	35 (cont)
LM End	2.64	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	2.69	Rating **	A/W	Issue No.	36
LM End	2.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.276608 °	38.276133 °
				-121.710811 °	-121.710394 °
DWR ID	DWR_RD2060_03_f _ 2017_36				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Sloughing commences approximately halfway down the slope and extends to the waterside toe.					
Site ID No:405					
Site Designation:LMA-232					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: Vertical cut at highwater mark.					

Photo 1 of 3 : SP_2019_RD2060_243_36_20190311_00058.jpg



LM Start	2.69	Rating **	A/W	Issue No.	36 (cont)
LM End	2.73	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_243_36_20190311_00059.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2060 Hastings

A photograph of a shoreline. In the foreground, there is a dense patch of green vegetation with many small yellow wildflowers. A large, dark piece of driftwood lies on the sandy shore, partially submerged in the water. The water is calm and blue, with some reeds or tall grasses visible in the background. The sky is not visible. In the bottom right corner, there is a date stamp: "AM 07/04/08 2017".A photograph of a rocky shoreline with dense green vegetation and a body of water under a clear blue sky. A timestamp 'AM 9:17 JUL 18/2017' is visible in the bottom right corner.Page 32 of 41

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	3.24	Rating **	M	Issue No.	37 (cont)	
LM End	3.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.270231 °	38.270203 °	
				-121.705897 °	-121.705856 °	
DWR ID	DWR_RD2060_03_f_2017_37					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.						
Site ID No:406						
Site Designation:LMA-233						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes: Erosion is next to a pumphouse and slope is protected withrip rap.						

Photo 2 of 3 : SP_2019_RD2060_243_37_20190311_00062.jpg



LM Start	3.24	Rating **	M	Issue No.	37 (cont)
LM End	3.24	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP_2019_RD2060_243_37_20190311_00063.jpg



* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	3.59	Rating **	M	Issue No.	38
LM End	3.63	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.266408 °	38.266047 °
				-121.701650 °	-121.701061 °
DWR ID	DWR_RD2060_03_f_2017_38				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:MBK Delta Erosion Sites_6-29-2017					
Site ID No:484					
Site Designation:LMA-322					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/29/2017					
Notes:					

Photo 1 of 2 : SP_2019_RD2060_243_38_20190311_00064.jpg



Photo 2 of 2 : SP_2019_RD2060_243_38_20190311_00065.jpg



LM Start	3.59	Rating **	M	Issue No.	38 (cont)
LM End	3.63	Issue Type +	Ma	Location *	

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

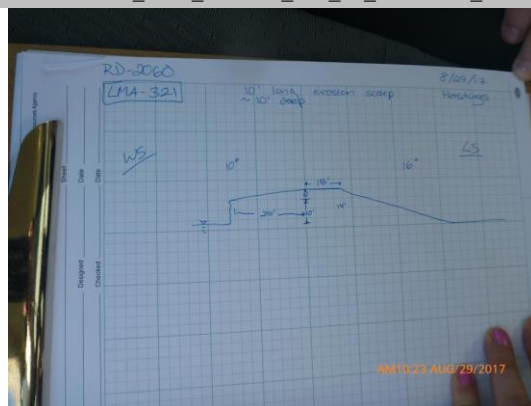
Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	3.66	Rating **	M	Issue No.	39	
LM End	3.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.265742 °	38.265342 °	
				-121.700522 °	-121.699881 °	
DWR ID	DWR_RD2060_03_f_2017_39					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:MBK Delta Erosion Sites_6-29-2017						
Site ID No:483						
Site Designation:LMA-321						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:8/29/2017						
Notes:						

Photo 1 of 1 : SP_2019_RD2060_243_39_20190311_00066.jpg



LM Start	3.78	Rating **	A/W	Issue No.	4
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.264585 °	38.260593 °
				-121.698868 °	-121.696403 °
DWR ID	DWR_RD2060_03_f_2018_4				
Comment Code					
Inspector Comment					
2017 Site ID: CHS 21.1 R					
Status: Eroding					
2017 Field Notes: Significant toe erosion within last year.					
Site History: 2011 - Several pockets of erosion from rotational failure and slumping toe. 2013 - Site extended downstream to include new erosion pockets. 2016 - New rock in one of the erosion spots.					

Photo 1 of 1 : SP_2019_RD2060_243_4_20190311_00001.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	3.82	Rating **	A/W	Issue No.	40
LM End	3.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.264006 °	38.262364 °
				-121.698811 °	-121.698103 °
DWR ID	DWR_RD2060_03_f _ 2017_40				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site					
Site ID No:410					
Site Designation:LMA-237					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site is combined with LMA-234. There is minor toe erosion along whole 631 lf, but there is a 20' wide deep erosion at 38.26347, -121.69859. That is the only location that is serious and is likely due to a collapsed beaver den.					

Photo 1 of 3 : SP_2019_RD2060_243_40_20190311_00067.jpg



LM Start	3.82	Rating **	A/W	Issue No.	40 (cont)
LM End	3.94	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_243_40_20190311_00068.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	3.82	Rating **	A/W	Issue No.	40 (cont)	
LM End	3.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.264006 °	38.262364 °	
				-121.698811 °	-121.698103 °	
DWR ID	DWR_RD2060_03_f_2017_40					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site						
Site ID No:410						
Site Designation:LMA-237						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/18/2017						
Notes: This site is combined with LMA-234. There is minor toe erosion along whole 631 lf, but there is a 20' wide deep erosion at 38.26347, -121.69859. That is the only location that is serious and is likely due to a collapsed beaver den.						

Photo 3 of 3 : SP_2019_RD2060_243_40_20190311_00069.jpg



LM Start	3.96	Rating **	A/W	Issue No.	41
LM End	4.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.262114 °	38.261583 °
				-121.697978 °	-121.697647 °
DWR ID	DWR_RD2060_03_f_2017_41				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:411					
Site Designation:LMA-238					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/18/2017					
Notes: This site includes LMA-235. Wide erosion looks like several small sited merged. Heavy veg indicates slow erosion.					

Photo 1 of 3 : SP_2019_RD2060_243_41_20190311_00070.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	4.06	Rating **	A/W	Issue No.	42
LM End	4.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260789 °	38.260644 °
				-121.696964 °	-121.696828 °
DWR ID	DWR_RD2060_03_f _ 2017_42				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.					
Site ID No:412					
Site Designation:LMA-239					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/17/2017					
Notes: Small erosion. Appears that site grows slowly with each high water. The center of the eosion is a deep cut that extends below rhe waterline. Possible beaver den collapse.					

Photo 1 of 3 : SP_2019_RD2060_243_42_20190311_00073.jpg



LM Start	4.06	Rating **	A/W	Issue No.	42 (cont)
LM End	4.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : SP_2019_RD2060_243_42_20190311_00074.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	4.06	Rating **	A/W	Issue No.	42 (cont)	
LM End	4.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260789 °	38.260644 °	
				-121.696964 °	-121.696828 °	
DWR ID	DWR_RD2060_03_f_2017_42					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe. Existing rip rap has been pulled off the slope at this site.						
Site ID No:412						
Site Designation:LMA-239						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/17/2017						
Notes: Small erosion. Appears that site grows slowly with each high water. The center of the eosion is a deep cut that extends below rhe waterline. Possible beaver den collapse.						

Photo 3 of 3 : SP_2019_RD2060_243_42_20190311_00075.jpg



LM Start	4.06	Rating **	A/W	Issue No.	43
LM End	4.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260789 °	38.260644 °
				-121.696964 °	-121.696828 °
DWR ID	DWR_RD2060_03_f_2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:409					
Site Designation:LMA-236					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: 3' cut to slope down to water, with a 50' deep cut. Heavy veg suggests slow progression of erosion.					

Photo 1 of 3 : SP_2019_RD2060_243_43_20190311_00076.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/09/2019 04/09/2019	David Julian

LM Start	4.06	Rating **	A/W	Issue No.	43 (cont)
LM End	4.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.260789 °	38.260644 °
				-121.696964 °	-121.696828 °
DWR ID	DWR_RD2060_03_f_2017_43				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion commences approximately halfway down the slope and results in sloughing into the waterside toe.					
Site ID No:409					
Site Designation:LMA-236					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/18/2017					
Notes: 3' cut to slope down to water, with a 50' deep cut. Heavy veg suggests slow progression of erosion.					

Photo 2 of 3 : SP_2019_RD2060_243_43_20190311_00077.jpg



Photo 3 of 3 : SP_2019_RD2060_243_43_20190311_00078.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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